CCS Technical Documentation
NSB-9 Series Transceivers

Service tools

Issue 1 04/03
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JVB-1 Docking Station and MJF-32 Adapter

The JVB-1 Docking Station has been designed for calibration and soft ware update use. The MJF-32 Docking Station Adapter makes signal connections to the phone. JVB-1 and MJF-32 are used as one unit.

JVB-1 main electric functions include:

- adjustable VBATT calibration voltage, current measurement limit voltage "VCHAR", current measurement calibration current "ICHAR"

- adjustable ADC calibration voltage via BTEMP and BSI signal

- BTEMP and BSI calibration resistor

- signals from FBUS to the phone via parallel jig

- control via FBUS or USB

- Flash OK/FAIL indication

In calibration mode JVB-1 is powered by external power supply 11-16V DC. In flashing power for the phone can be taken from FPS-8.

MJF-32 main electric functions are:

- phone recognizing from BTEMP

- filters of FBUS signals

Product Code

JVB-1 Docking Station:	0770298
MJF-32 Docking Station Adapter:	0770528

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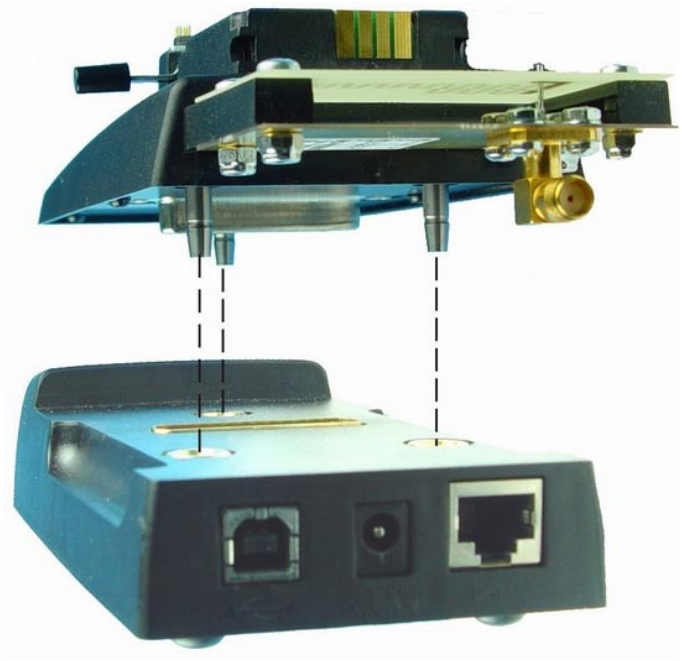
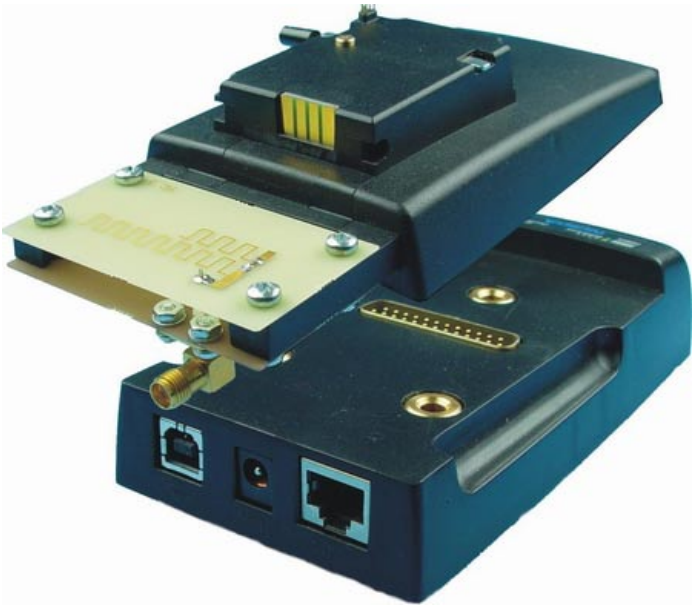
View of JBV-1 and MJF-32 together





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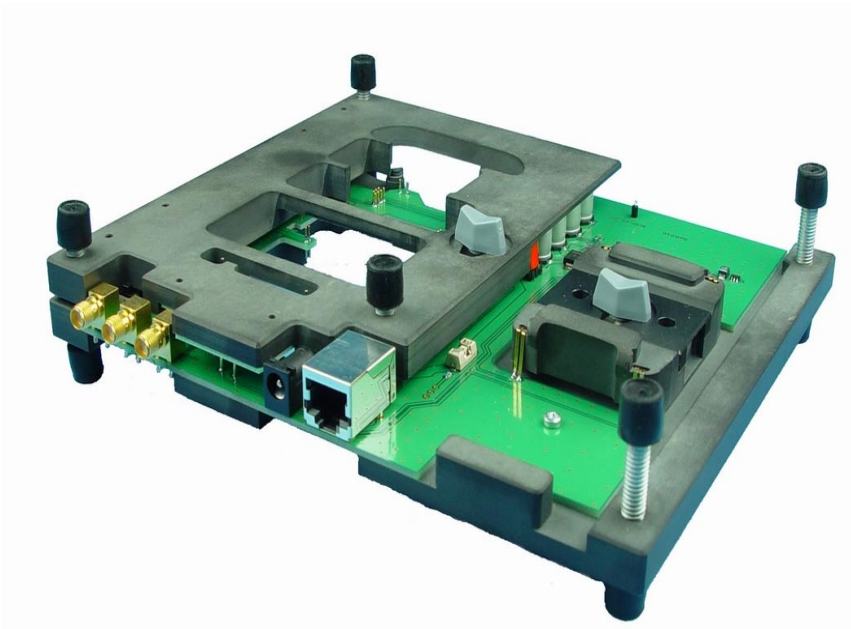
MJS-48 Module Test Jig

Module Test Jig MJS-48 is designed for regional Central Services for RM9 module testing. It can be used for flashing and RF-, battery-, system-, radio- and SIM reader testing.

Product Code

MJS-48 Module Test Jig: 0770392

View of MJS-48



Note: For RF-tests and tunings, it is possible to bypass the regulator (with jumper).

The nominal supply voltage for MJS-48 is +4.2 V (when the jumper is in bypass position).

The supply voltage must not exceed +5.0 V (min 3.2V) (when the jumper is in bypass position).

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MJS-70 Soldering Jig

MJS-70 Soldering Jig is used for soldering and as a rework jig for RM9 module.

PWB fits into the jig either side up.

Product Code

MJS-70 Module Jig: 0770408

View of MJS-70

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SS-4 Domesheet Assembly Jig

SS-4 Domesheet is a jig for domesheet assembly.

Note: Insert PWB bottom connector end first.

Product code

SS-4 Domesheet Assembly Jig: 0770616

View of SS-4

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FPS-8 Flash Prommer (Sales Pack)

The Flash Prommer FPS-8 is used with e.g. MJF-32 and JVB-1. Power is supplied to FPS-8 from the Universal Power Supply.

The sales pack includes:

- FPS-8 Flash Prommer	0750123
- FPS-8 Activation Sheet	9359289
- Universal Power Supply	0680032
- AXS-4 Service Cable (D9-D9)	0730090
- Printer cable	0730029
- SW activation and istallation FPS-8 CD	0774271

Sales package code

FPS-8 Flash Prommer:	0080321

View of FPS-8

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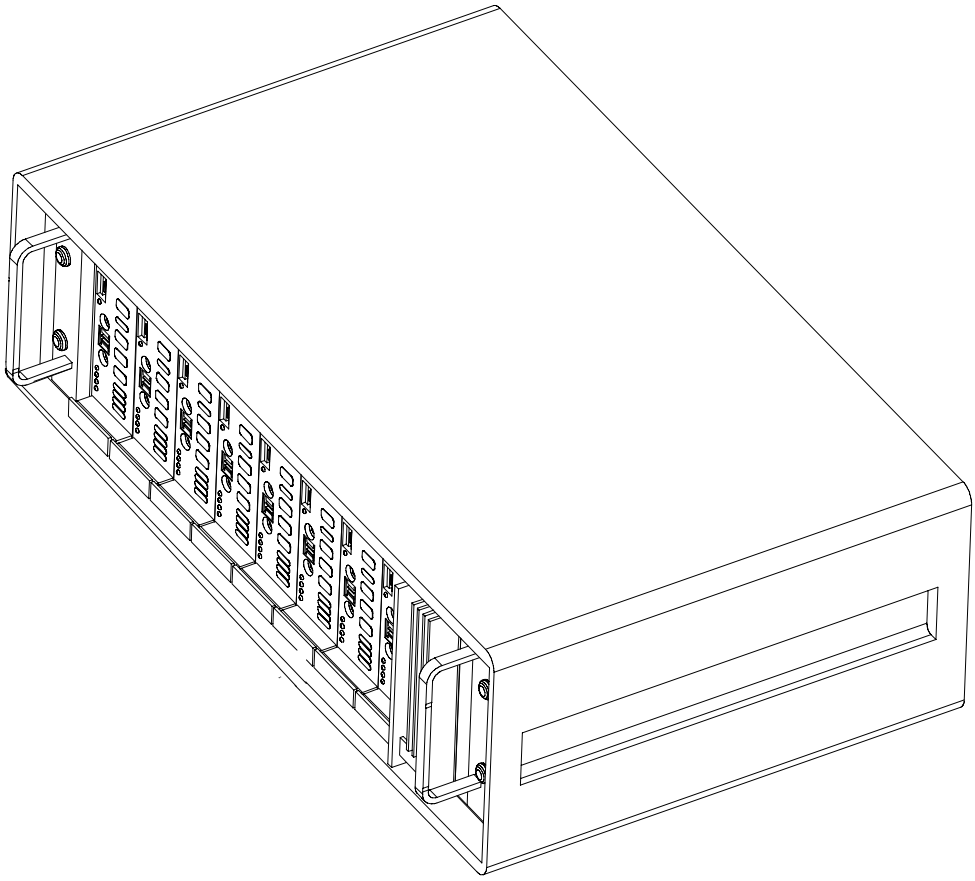
FPS-8C Parallel Flash Prommer (Sales Pack)

The Parallel Flash Prommer FPS-8C is used with MJF-32 and JVB-1. Flash programming can be done to maximum of 8 phones parallel. FPS-8C consists of eight SF11C programming cards. SF11C card is functionally identical to FPS-8.

Sales package code

FPS-8C Parallel Flash Prommer: 0080396

View of FPS-8C



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ACF-8 Universal Power Supply

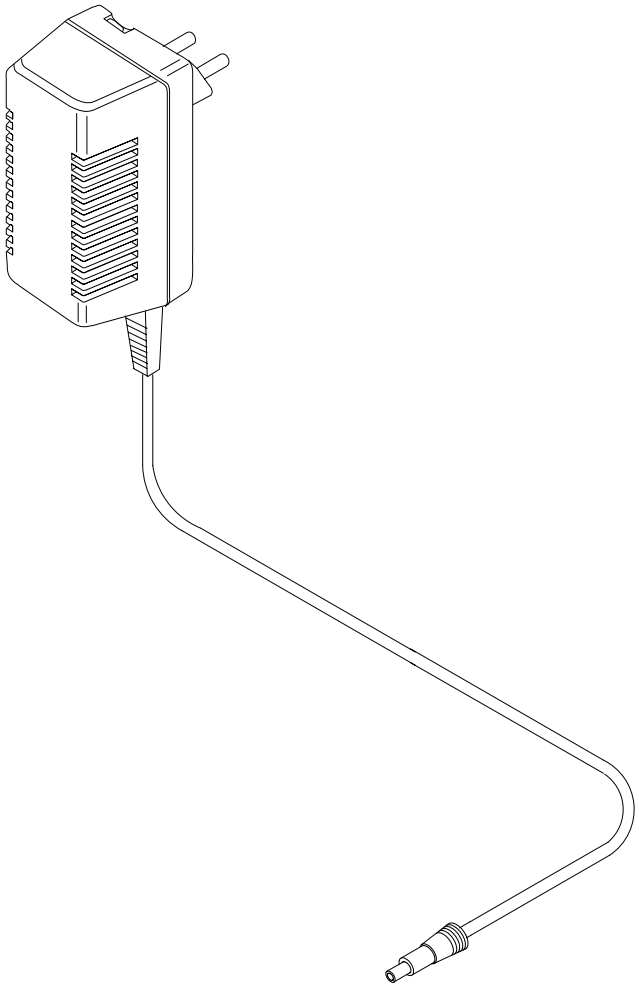
ACF-8 Universal Power Supply is used to power FPS-8. ACF-8 has 6 V DC and 2.1 A output.

Product Code

ACF-8 Universal Power Supply: 0680032

View of ACF-8

-8



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FLA-29 POS (Point Of Sale) Flash Adapter

FLA-29 POS Flash Adapter is used in place of the phone's normal battery during service, to supply a controlled operating voltage.

Product Code

FLA-29 POS Flash Loading Adapter: 0775306

View of FLA-29

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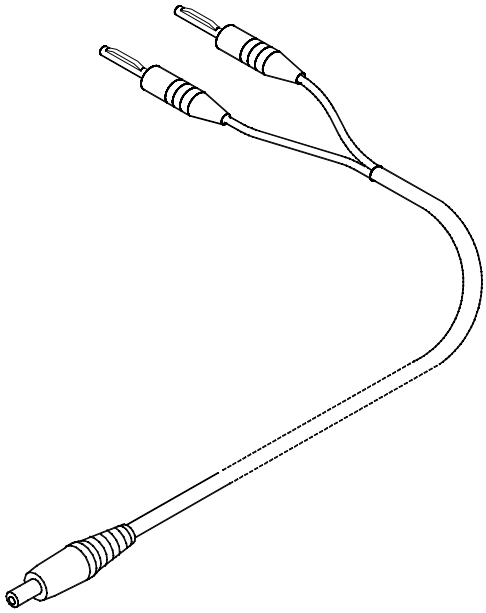
FLC-2 DC Cable

The FLC-2 is used to supply a controlled operating voltage to the FLA-29 POS adapter when used with the FPS-8 flash prommer.

Product Code

FLC-2 DC Cable: 0730185

View of FLC-2



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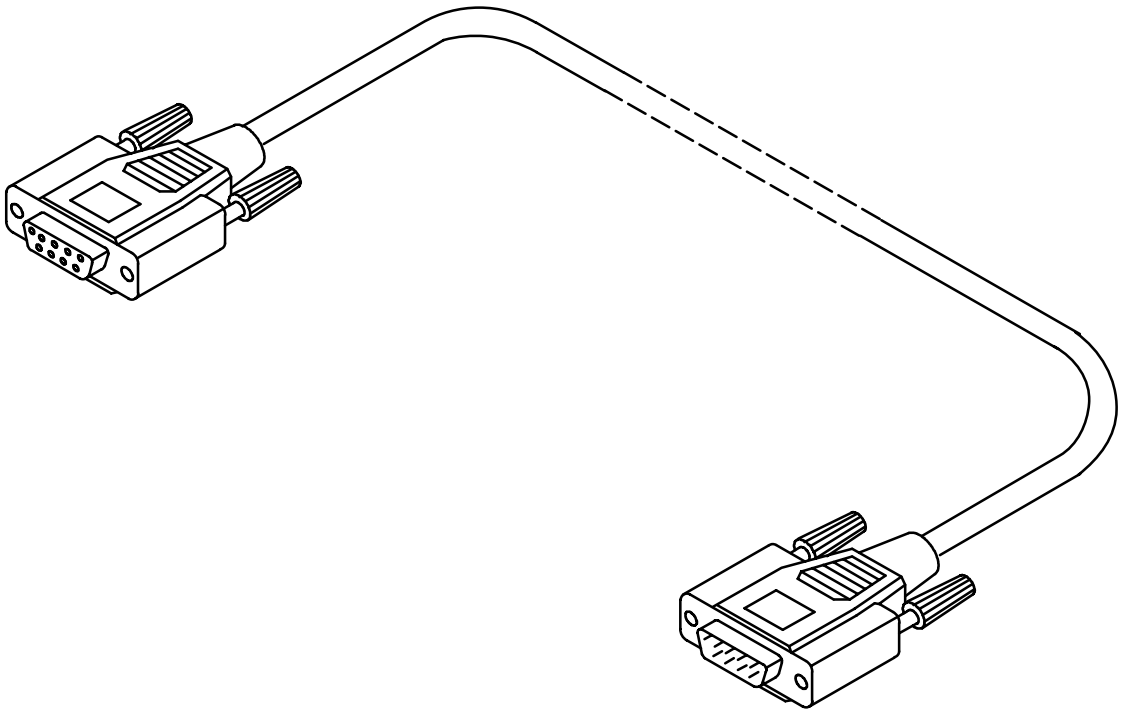
AXS-4 Service Cable

The AXS-4 D9-D9 Service Cable is used to connect two 9 pin D connectors e.g. between PC and FPS-8. Cable length is 2 meters.

Product code

AXS-4 D9-D9 Service Cable: 0730090

View of AXS-4



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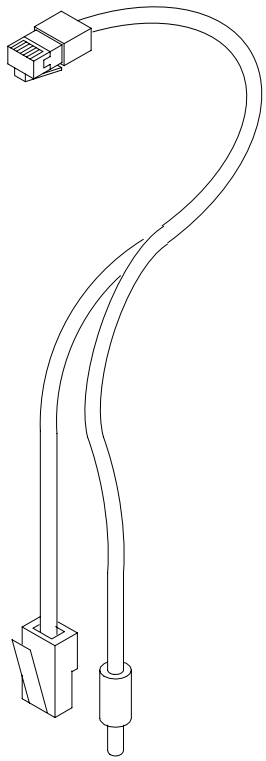
XCS-1 Service Cable

The XCS-1 Service Cable is used to connect FLS-4 to FLA-29.

Product code

XCS-1 Service Cable: 0730218

View of XCS-1



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SW Security Device PKD-1

SW security device (dongle) is a piece of hardware enabling the use of the service software when connected to the parallel (LPT) port of the PC. Without the dongle present it is not possible to use the service software. Printer or any such device can be connected to the PC through the dongle if needed.

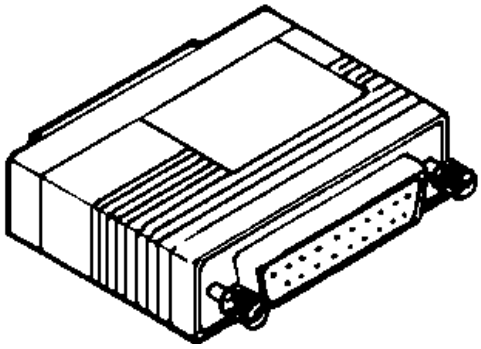
Caution: Make sure that you have switched off the PC and the printer before making connections!

Caution: Do not connect the PKD-1 to the serial port. You may damage your PKD-1!

Product Code

SW Security Device PKD-1: 0750018

View of SW Security Device



FLS-4S POS (Point Of Sale) Flash Device (Sales Pack)

FLS-4S is a dongle and flash device incorporated into one package, developed specifically for POS use.

Product Code

Sales Pack -Americas	0080543

View of FLS-4S

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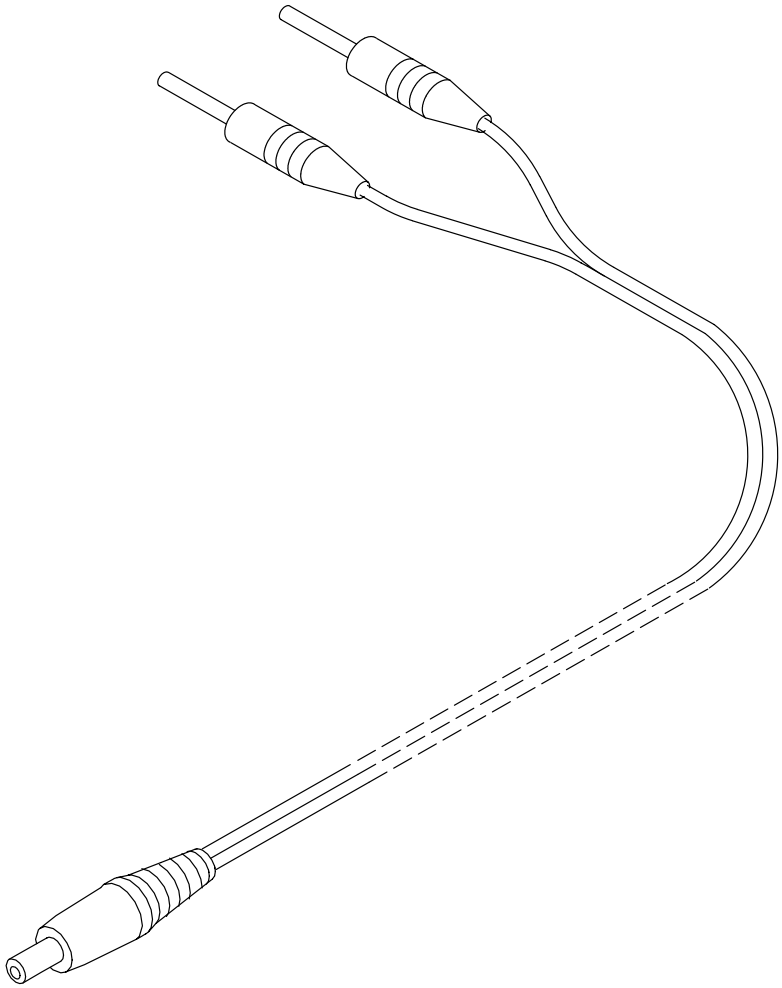
PCS-1 Power Cable

The PCS-1 Power Cable (DC) is used to connect e.g. JVB-1 to FPS-8 or MJS-48 to an external power supply.

Product Code

PCS-1 Power Cable: 0730012

View of PCS-1



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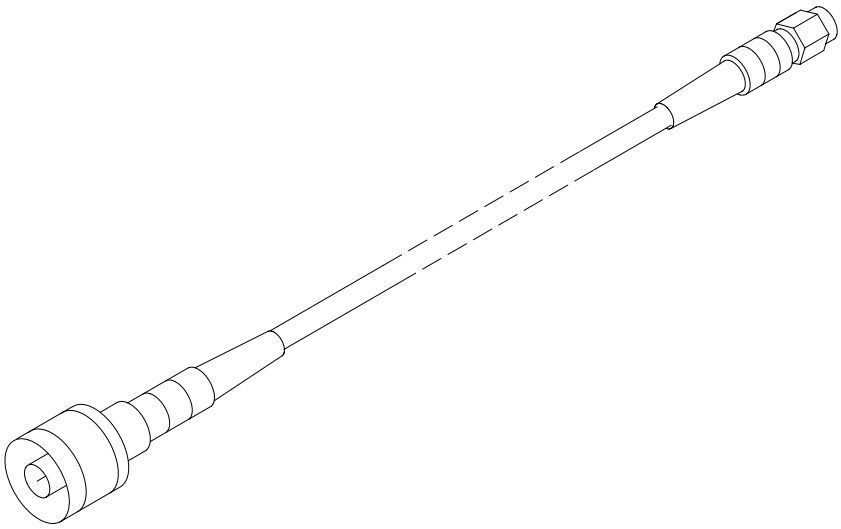
XRF-1 RF Cable

RF cable XRF-1 is used to connect e.g. Module Jig MJS-48 to RF measurement equipment.

Product code

XRF-1 RF Cable: 0730085

View of XRF-1



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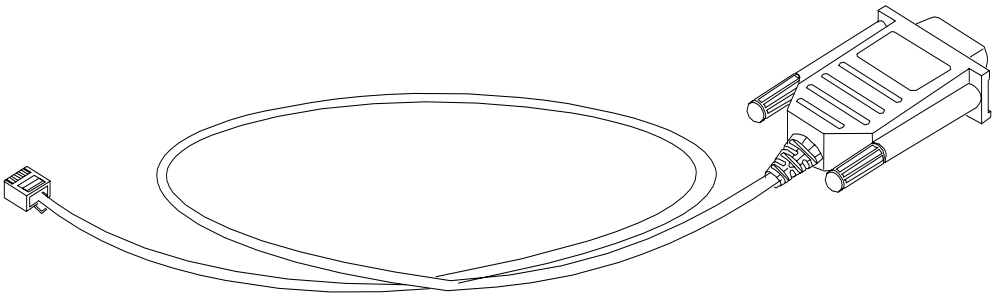
DAU-9S MBUS Cable

The MBUS Cable DAU-9S has a modular connector, and is used with between PC's serial port and e.g. Module Jig MJS-48.

Product Code

DAU-9S MBUS Cable: 0730108

View of DAU-9S



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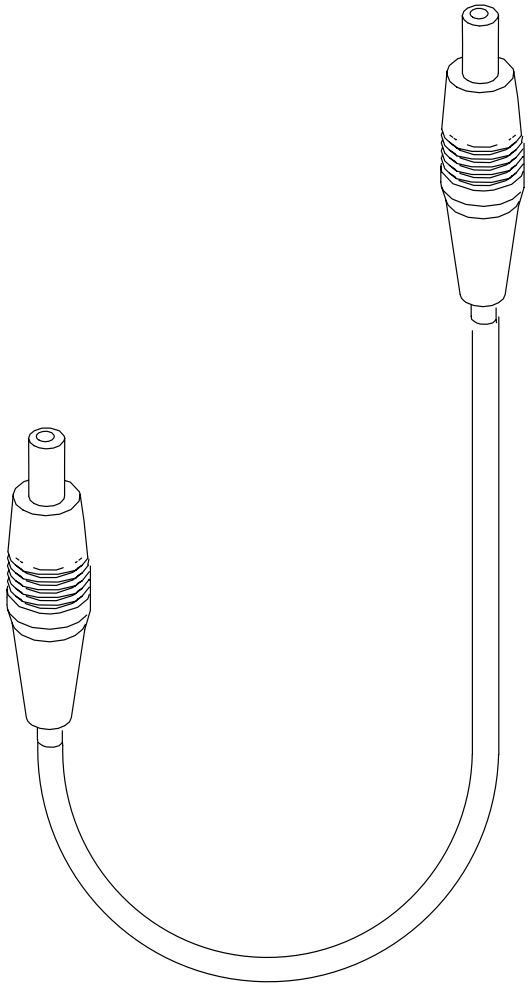
SCB-3 DC Cable

The DC Cable SCB-3 is used to connect e.g. JVB-1 to the phone.

Product Code

SCB-3 DC Cable: 0730114

View of SCB-3



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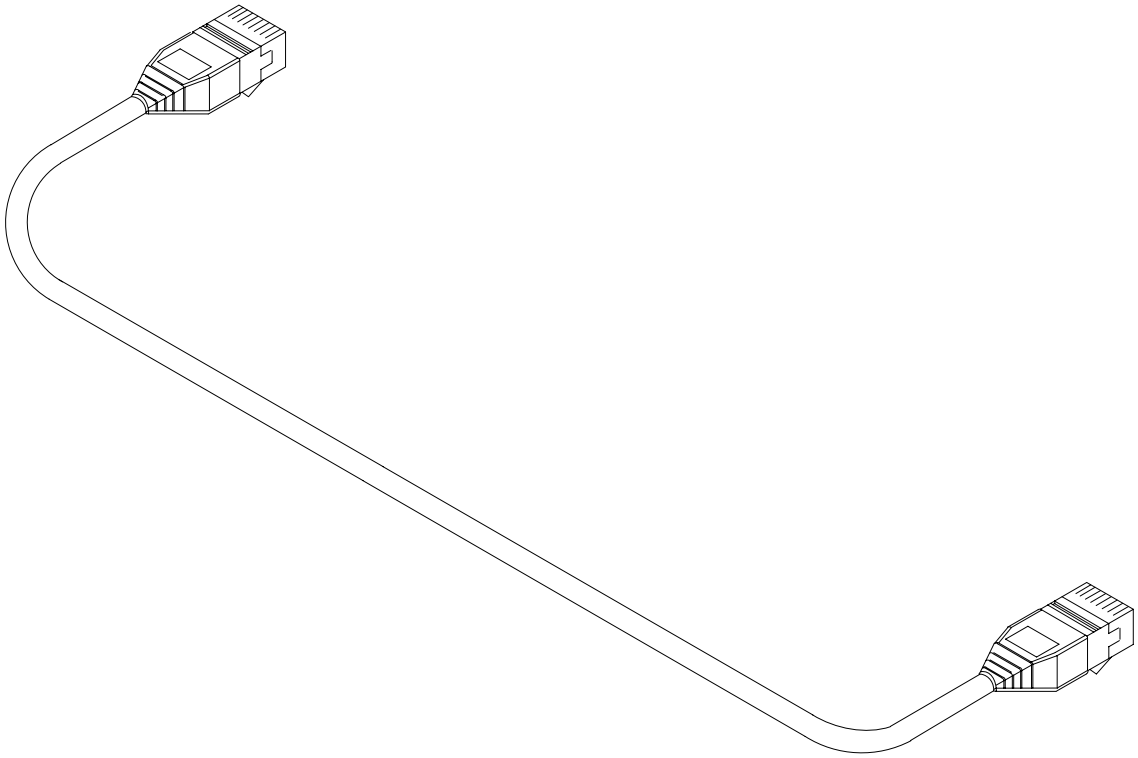
XCS-4 Modular Cable

XCS-4 is a shielded cable (one specially shielded conductor) modular cable for flashing and service purposes.

Product code

XCS-4 Modular Cable: 0730178

View of XCS-4



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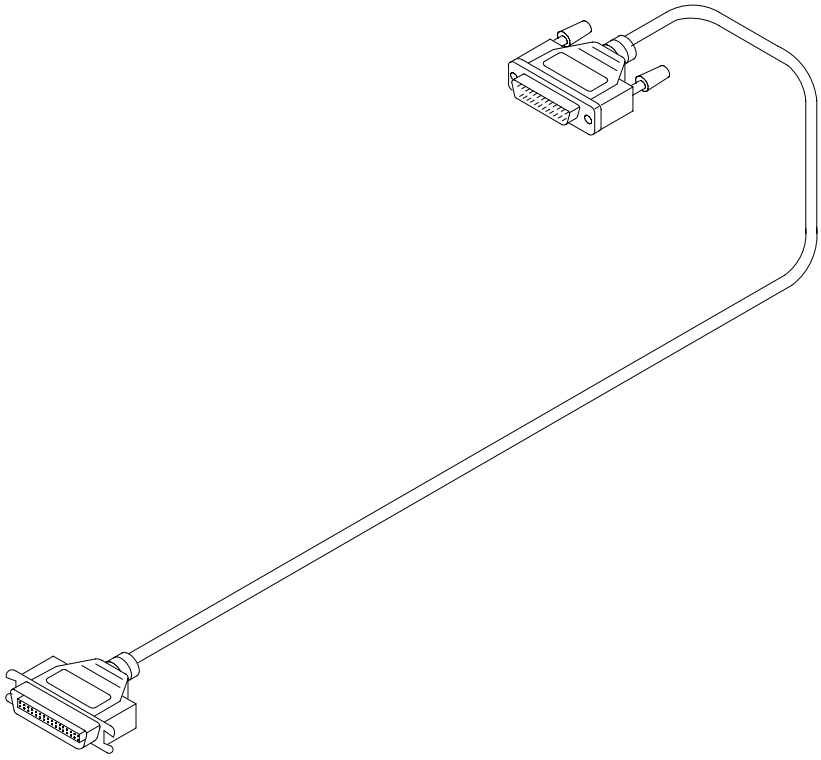
Printer Cable

This cable is used to connect the PC to FPS-8.

Product code

Printer Cable: 0730029

View of Printer Cable



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